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NT

Client:
LumCAT: 2-2687-L
Luminaire: 92.70.412.00
Report No: 2024322-B021
Ballast type: AC

Test No: 2024322-C021	Voltage(V): 34.750
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.577
Lamp flux(lm): 3486.0	Power (W): 20.050
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2904.06, Efficiency(%): 83.31% , Luminous Efficacy(lm/W): 144.84
Central intensity(cd): 11650.280, Maximum intensity(cd): 11650.280
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=22.0
[C90/270]Total=22.0
Field angle(10%Imax): [C0/180]Total=54.4
[C90/270]Total=54.4
Maximum s/h(1/2): C0_180=0.37 C90_270=0.37
Maximum s/h(1/4): C0_180=0.42 C90_270=0.42
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.31%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.047%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11650.279	0.000	0	0.00%	0.00%
1.0	11597.967	11.124	11.124	0.32%	0.38%
2.0	11314.777	32.887	44.01	0.94%	1.52%
3.0	10872.925	53.066	97.076	1.52%	3.34%
4.0	10340.004	71.006	168.083	2.04%	5.79%
5.0	9692.891	86.180	254.263	2.47%	8.76%
6.0	9040.219	98.447	352.71	2.82%	12.15%
7.0	8397.276	108.234	460.945	3.10%	15.87%
8.0	7718.562	115.338	576.283	3.31%	19.84%
9.0	7070.645	119.858	696.141	3.44%	23.97%
10.0	6436.041	122.231	818.372	3.51%	28.18%
11.0	5842.550	122.688	941.06	3.52%	32.41%
12.0	5270.200	121.478	1062.538	3.48%	36.59%
13.0	4730.183	118.679	1181.218	3.40%	40.67%
14.0	4252.494	114.977	1296.195	3.30%	44.63%
15.0	3808.161	110.660	1406.855	3.17%	48.44%
16.0	3430.618	106.068	1512.924	3.04%	52.10%
17.0	3115.548	101.941	1614.865	2.92%	55.61%
18.0	2839.907	98.193	1713.058	2.82%	58.99%
19.0	2702.306	96.423	1809.481	2.77%	62.31%
20.0	2433.929	94.007	1903.488	2.70%	65.55%
21.0	2155.954	88.135	1991.623	2.53%	68.58%
22.0	1968.463	82.882	2074.505	2.38%	71.43%
23.0	1805.770	79.194	2153.699	2.27%	74.16%
24.0	1656.172	75.690	2229.389	2.17%	76.77%
25.0	1428.125	70.130	2299.52	2.01%	79.18%
26.0	1288.512	64.127	2363.646	1.84%	81.39%
27.0	1199.777	60.877	2424.523	1.75%	83.49%
28.0	1060.047	57.214	2481.737	1.64%	85.46%
29.0	921.451	51.842	2533.578	1.49%	87.24%
30.0	782.921	46.018	2579.596	1.32%	88.83%
31.0	662.109	40.213	2619.809	1.15%	90.21%
32.0	543.579	34.542	2654.35	0.99%	91.40%
33.0	445.766	29.146	2683.497	0.84%	92.41%
34.0	362.379	24.457	2707.954	0.70%	93.25%
35.0	288.567	20.216	2728.17	0.58%	93.94%
36.0	247.192	17.059	2745.228	0.49%	94.53%
37.0	203.402	14.696	2759.924	0.42%	95.04%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	142.202	11.536	2771.46	0.33%	95.43%
39.0	111.127	8.647	2780.107	0.25%	95.73%
40.0	90.498	7.032	2787.139	0.20%	95.97%
41.0	74.250	5.867	2793.005	0.17%	96.18%
42.0	62.326	4.962	2797.968	0.14%	96.35%
43.0	53.519	4.291	2802.259	0.12%	96.49%
44.0	47.198	3.801	2806.06	0.11%	96.63%
45.0	42.517	3.448	2809.508	0.10%	96.74%
46.0	38.910	3.184	2812.692	0.09%	96.85%
47.0	35.925	2.976	2815.669	0.09%	96.96%
48.0	33.336	2.800	2818.469	0.08%	97.05%
49.0	31.331	2.656	2821.124	0.08%	97.14%
50.0	29.642	2.542	2823.667	0.07%	97.23%
51.0	28.369	2.454	2826.121	0.07%	97.32%
52.0	27.396	2.393	2828.514	0.07%	97.40%
53.0	26.701	2.353	2830.867	0.07%	97.48%
54.0	26.211	2.332	2833.199	0.07%	97.56%
55.0	25.808	2.322	2835.521	0.07%	97.64%
56.0	25.611	2.323	2837.845	0.07%	97.72%
57.0	25.472	2.336	2840.18	0.07%	97.80%
58.0	25.479	2.356	2842.536	0.07%	97.88%
59.0	25.582	2.387	2844.924	0.07%	97.96%
60.0	25.713	2.423	2847.347	0.07%	98.05%
61.0	25.713	2.454	2849.801	0.07%	98.13%
62.0	25.377	2.462	2852.263	0.07%	98.22%
63.0	24.784	2.440	2854.702	0.07%	98.30%
64.0	23.899	2.389	2857.091	0.07%	98.38%
65.0	22.773	2.310	2859.401	0.07%	98.46%
66.0	21.697	2.219	2861.62	0.06%	98.54%
67.0	20.702	2.132	2863.752	0.06%	98.61%
68.0	19.971	2.060	2865.812	0.06%	98.68%
69.0	19.561	2.017	2867.829	0.06%	98.75%
70.0	19.495	2.006	2869.835	0.06%	98.82%
71.0	19.656	2.024	2871.858	0.06%	98.89%
72.0	19.715	2.047	2873.906	0.06%	98.96%
73.0	19.525	2.052	2875.957	0.06%	99.03%
74.0	19.298	2.041	2877.998	0.06%	99.10%
75.0	19.064	2.027	2880.025	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.617	2.000	2882.026	0.06%	99.24%
77.0	18.186	1.962	2883.988	0.06%	99.31%
78.0	17.513	1.911	2885.899	0.05%	99.37%
79.0	16.847	1.846	2887.745	0.05%	99.44%
80.0	16.138	1.778	2889.523	0.05%	99.50%
81.0	14.945	1.681	2891.204	0.05%	99.56%
82.0	14.075	1.574	2892.778	0.05%	99.61%
83.0	13.672	1.508	2894.286	0.04%	99.66%
84.0	13.372	1.473	2895.76	0.04%	99.71%
85.0	13.065	1.443	2897.202	0.04%	99.76%
86.0	12.787	1.413	2898.616	0.04%	99.81%
87.0	12.560	1.387	2900.003	0.04%	99.86%
88.0	12.363	1.365	2901.368	0.04%	99.91%
89.0	12.246	1.349	2902.717	0.04%	99.95%
90.0	12.195	1.340	2904.057	0.04%	100.00%

Zonal flux distribution table

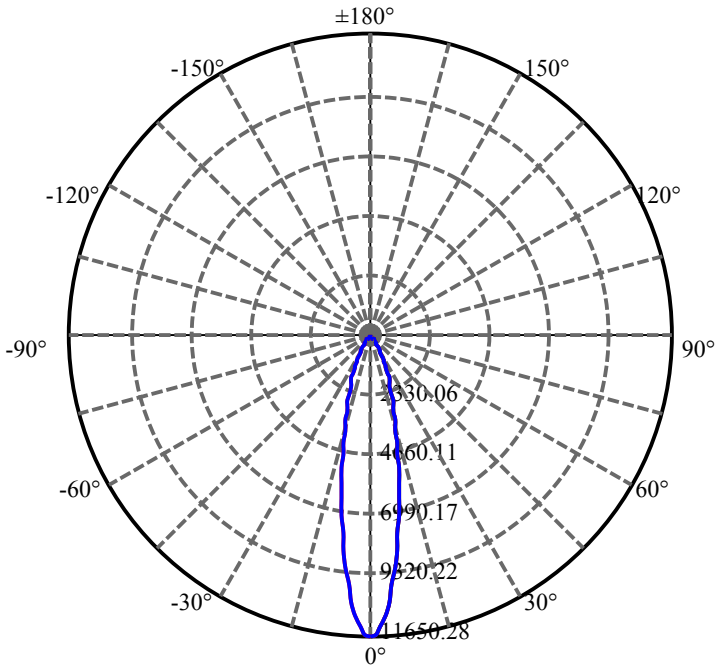
ZONAL LUMEN SUMMARY

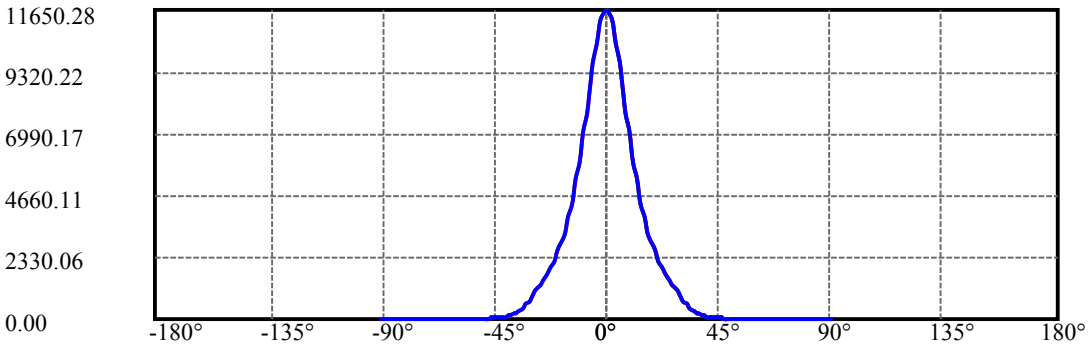
Zone	Lumens	%Lamp	%Fixt
0-30	2579.60	74.00%	88.83%
0-40	2787.14	79.95%	95.97%
0-60	2847.35	81.68%	98.05%
0-90	2902.72	83.27%	99.95%
0-120	2902.72	83.27%	99.95%
0-180	2904.06	83.31%	100.00%
60-90	55.37	1.59%	1.91%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.37	2323.25	66.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	818.37
10-20	1085.12
20-30	676.11
30-40	207.54
40-50	36.53
50-60	23.68
60-70	22.49
70-80	19.69
80-90	13.19
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

Light Distribution Curve [Unit:cd]





C0(Max):

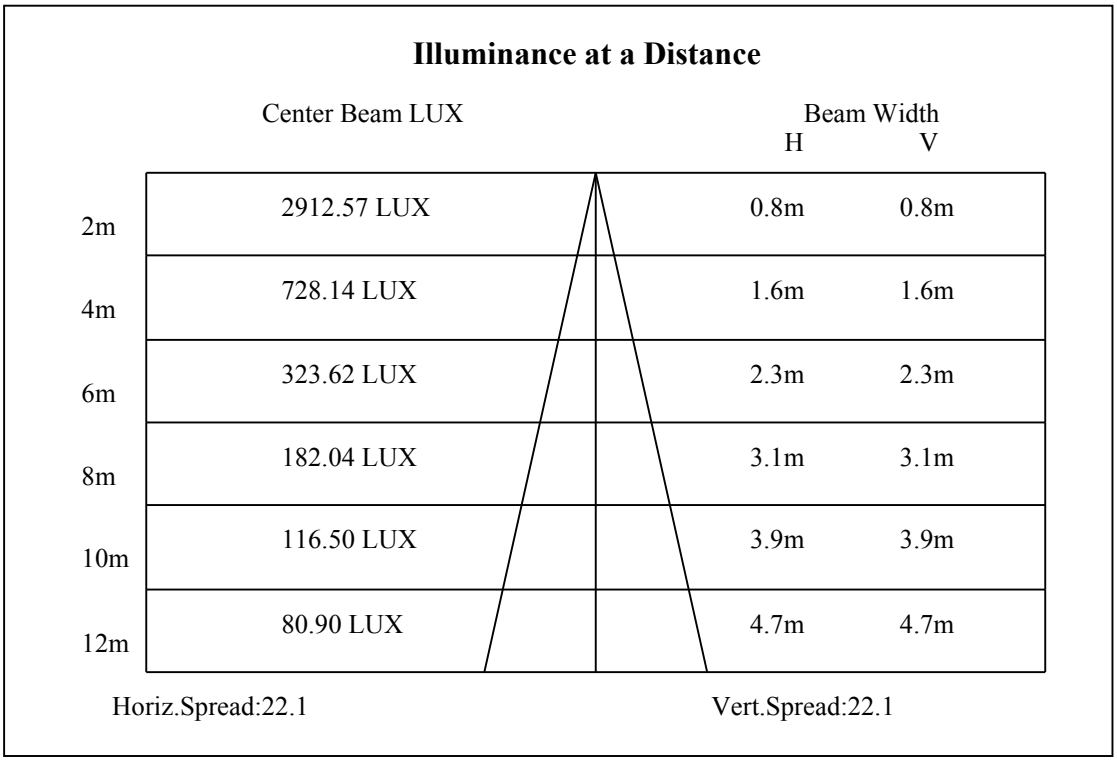
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.2 Right:27.2
:C90/270Left:27.2 Right:27.2

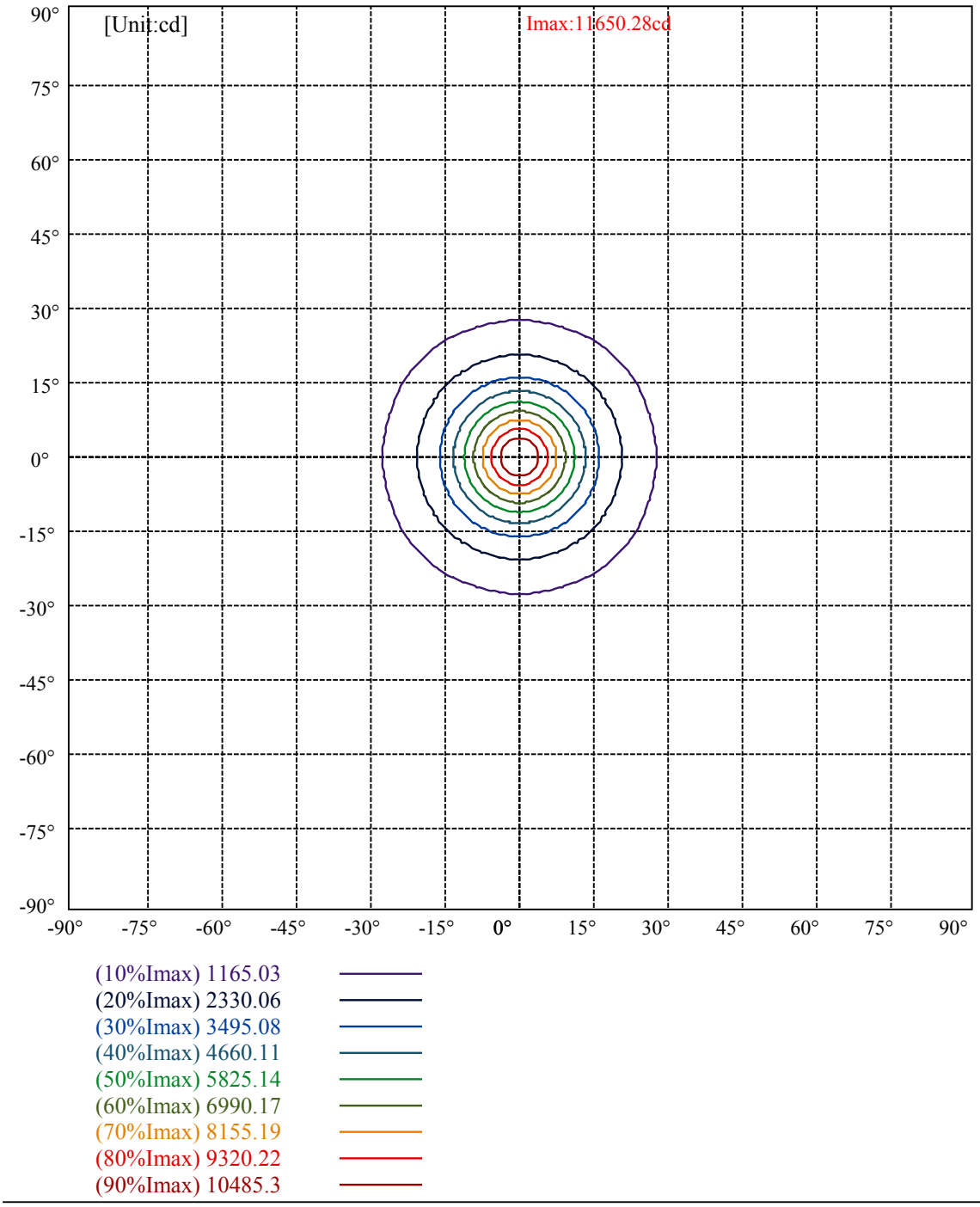
Beam Angle(50%Imax):C0/180Left:11.0 Right:11.0
:C90/270Left:11.0 Right:11.0

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

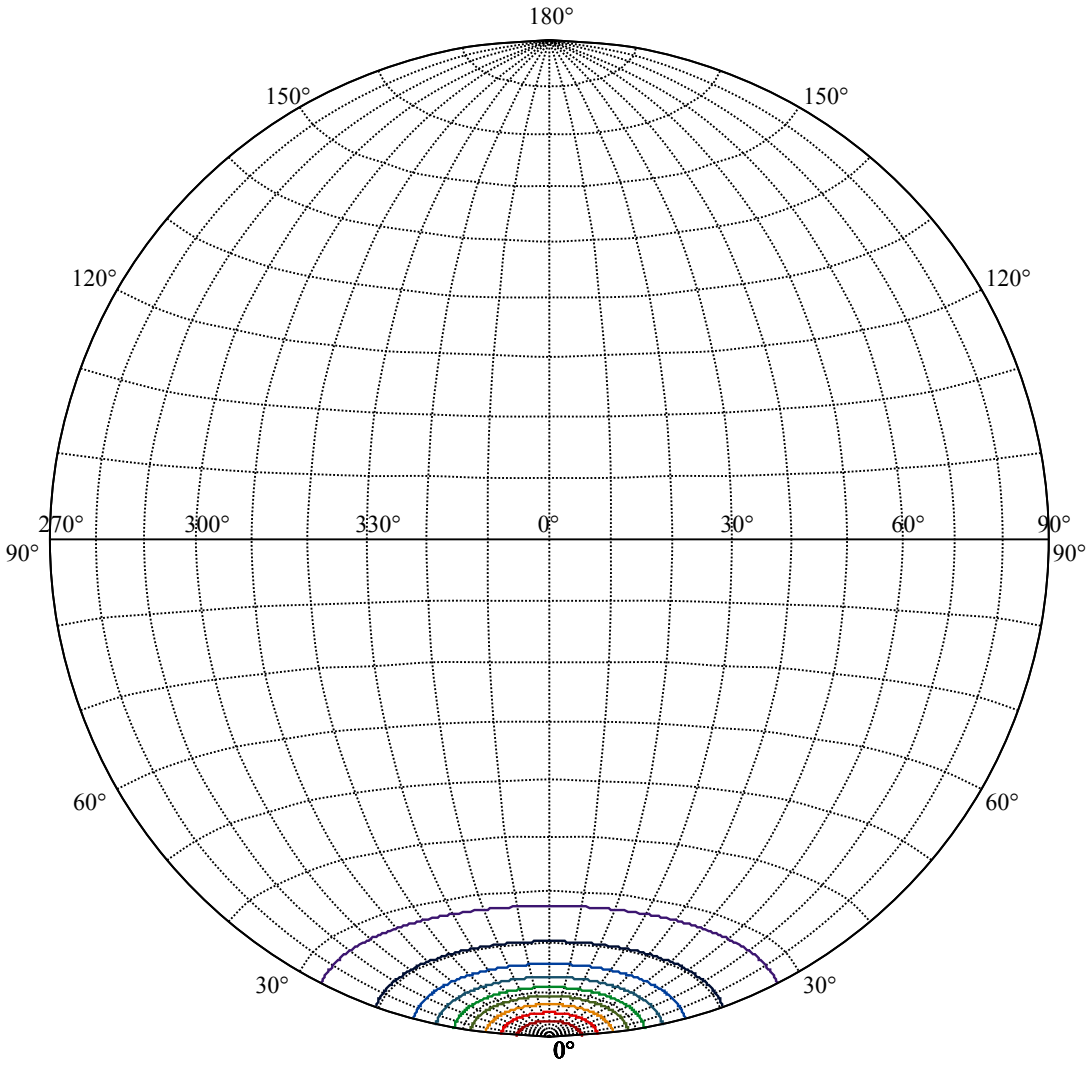


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



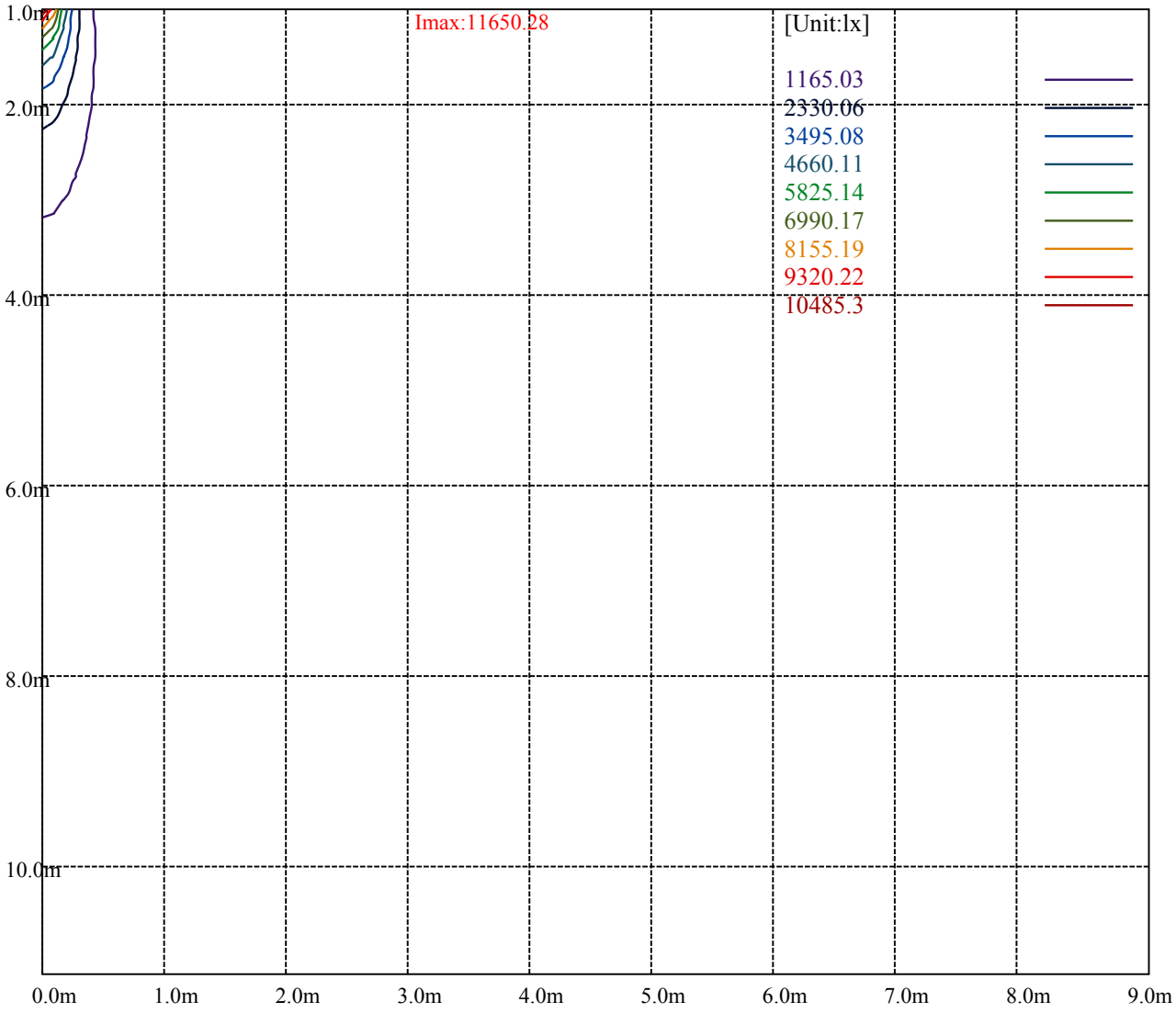
[Unit:cd]

Imax:11650.28

(10%Imax) 1165.03
(20%Imax) 2330.06
(30%Imax) 3495.08
(40%Imax) 4660.11
(50%Imax) 5825.14
(60%Imax) 6990.17
(70%Imax) 8155.19
(80%Imax) 9320.22
(90%Imax) 10485.3

Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2687-L

Luminance Limitting Curve(no luminous side)

Luminance Table

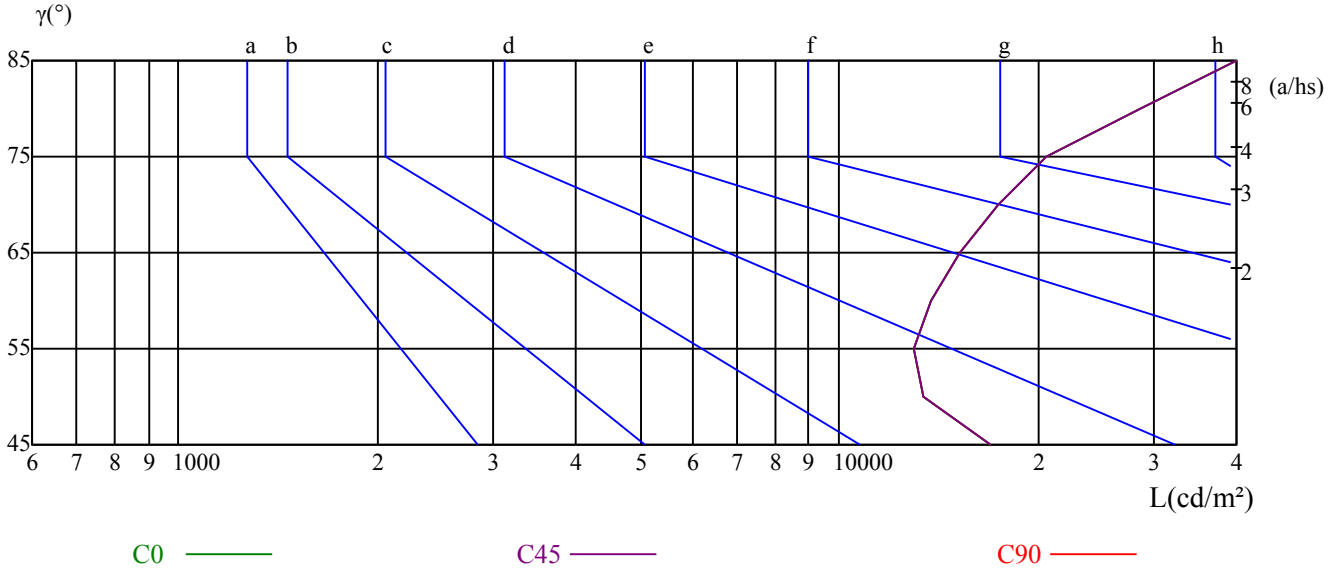
γ	45	50	55	60	65	70	75	80	85
C0	16916	13424	12973	13807	15255	17397	20571	28543	54228
C45	16916	13424	12973	13807	15255	17397	20571	28543	54228
C90	16916	13424	12973	13807	15255	17397	20571	28543	54228

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
15255	15255	15255	20571	20571	20571	54228	54228	54228

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limitting Curve



Equipment: GMS1980
Temperature(°C): 25.0

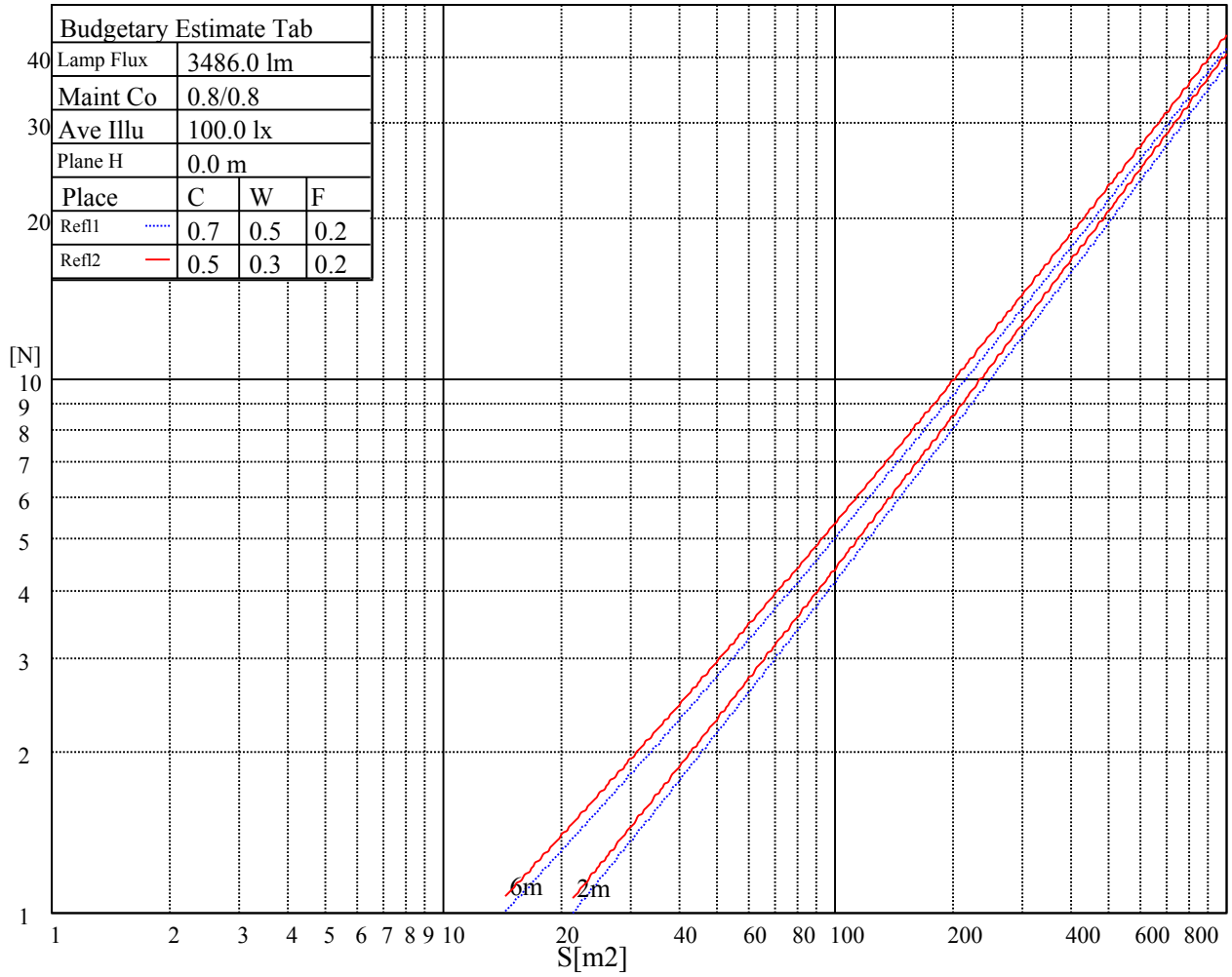
Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table

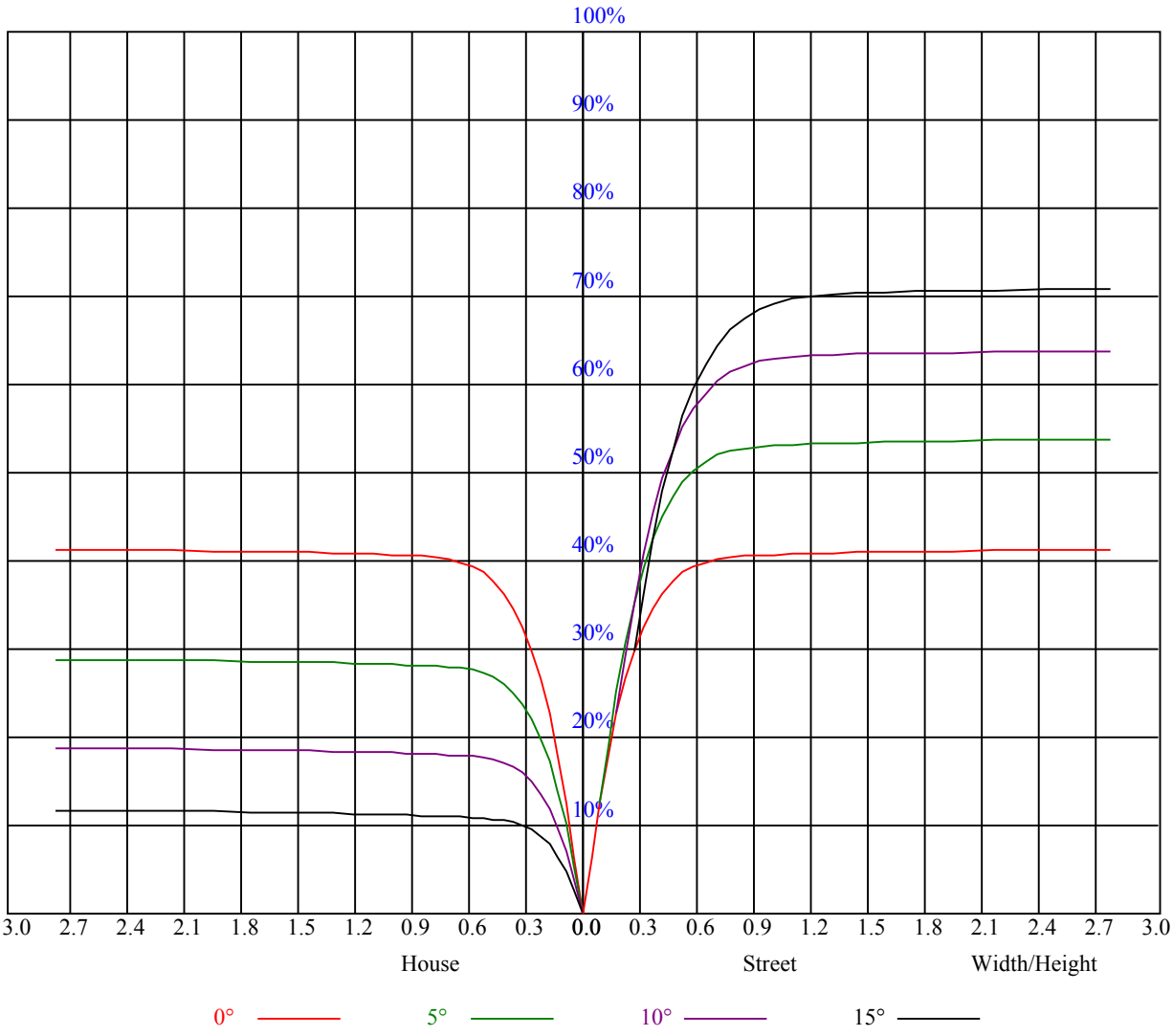


Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

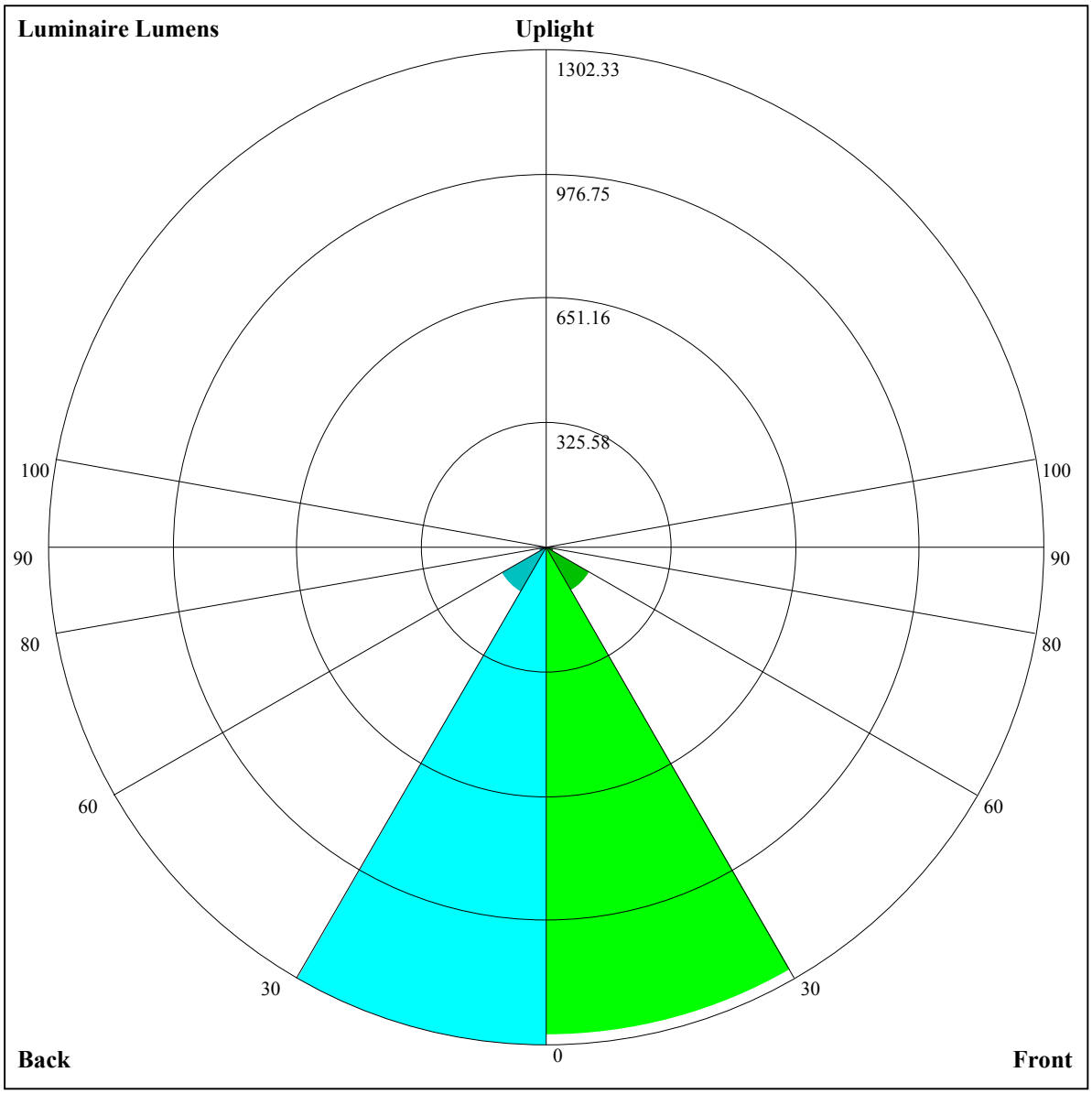
Utilization factor table for indoor luminaire

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.90	0.91	0.90	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.81	0.79
2	0.88	0.85	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.78	0.79	0.78	0.77	0.75
3	0.84	0.80	0.77	0.82	0.79	0.77	0.80	0.78	0.75	0.78	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.75	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.71	0.69	0.67	0.66
6	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.67	0.65	0.64
7	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
8	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1274.74,FM=133.45,FH=21.88,FVH=7.39
BL=1302.33,BM=136.42,BH=19.66,BVH=7.17
UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	11676.47	11461.10	11088.90	10598.48	10047.79	9296.36	8698.26	8098.99	7335.27
45.0	11661.84	11661.84	11550.00	11257.39	10689.72	10151.31	9560.24	8934.04	8161.55
90.0	11640.77	11589.85	11303.68	10772.88	10229.21	9629.94	8838.71	8220.71	7627.30
135.0	11622.04	11661.84	11661.84	11310.06	10917.96	10262.51	9665.58	9027.68	8225.92
180.0	11676.47	11676.47	11538.30	11152.05	10695.57	10010.86	9390.52	8746.77	8097.17
225.0	11661.84	11432.43	11082.46	10476.76	9916.70	9149.47	8509.82	7888.89	7270.89
270.0	11640.77	11906.99	11386.14	11023.30	10402.96	9841.14	9232.51	8460.01	7851.38
315.0	11622.04	11393.22	10906.90	10392.48	9820.13	9201.55	8426.13	7801.11	7179.01
360.0	11676.47	11461.10	11088.90	10598.48	10047.79	9296.36	8698.26	8098.99	7335.27

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6724.29	6129.71	5555.01	5028.31	4446.01	4023.48	3567.00	3256.84	2984.71
45.0	7552.91	6944.28	6347.35	5639.23	5118.38	4632.64	4193.72	3696.28	3362.70
90.0	7026.27	6286.55	5708.93	5167.01	4671.91	4116.53	3722.09	3380.90	3026.26
135.0	7623.14	7026.21	6435.13	5732.86	5200.31	4697.02	4240.54	3725.54	3380.26
180.0	7330.53	6721.89	6130.82	5574.85	4913.55	4445.37	4018.15	3549.97	3233.95
225.0	6506.59	5923.12	5371.84	4867.37	4402.71	3878.34	3430.65	3200.07	2861.22
270.0	7242.74	6628.26	5902.58	5346.62	4837.47	4375.14	3866.00	3503.16	3204.69
315.0	6558.68	5828.31	5288.74	4805.34	4251.13	3851.42	3427.14	3132.18	2870.59
360.0	6724.29	6129.71	5555.01	5028.31	4446.01	4023.48	3567.00	3256.84	2984.71

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2693.26	2474.98	2280.68	2058.29	1899.11	1750.47	1605.92	1325.59	1147.86
45.0	3011.57	3011.57	2745.35	2298.82	2113.89	1950.03	1800.21	1619.96	1478.34
90.0	2777.54	2501.31	2302.33	2121.50	1958.22	1770.36	1628.74	1486.53	1137.27
135.0	3087.65	2958.90	2958.90	2345.06	2108.04	1940.08	1786.75	1607.67	1468.39
180.0	2953.05	2953.05	2426.40	2234.45	2036.64	1847.61	1691.94	1557.34	1384.12
225.0	2617.18	2349.15	2157.78	1987.48	1797.87	1660.34	1521.64	1143.06	1143.06
270.0	2994.01	2994.01	2415.28	2185.87	2010.31	1841.76	1669.71	1525.15	1389.38
315.0	2585.00	2375.49	2184.70	2016.16	1823.62	1685.51	1544.47	1159.68	1159.68
360.0	2693.26	2474.98	2280.68	2058.29	1899.11	1750.47	1605.92	1325.59	1147.86

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1147.86	1010.10	879.48	729.54	621.63	498.73	411.76	334.98	256.91
45.0	1334.37	1192.16	1018.94	887.84	765.53	629.76	532.03	441.90	344.17
90.0	1137.27	1033.39	899.84	774.60	633.97	531.68	437.98	337.21	270.61
135.0	1327.93	1155.88	1020.11	887.84	765.53	630.93	530.86	438.39	356.46
180.0	1240.74	1116.08	980.90	811.77	694.72	592.89	468.24	381.63	310.81
225.0	1075.00	940.05	808.55	690.33	557.08	459.93	357.10	289.57	234.21
270.0	1244.25	1078.04	941.10	806.50	689.45	556.02	461.22	377.53	307.30
315.0	1090.80	954.68	822.71	674.94	568.96	448.69	366.94	297.82	228.06
360.0	1147.86	1010.10	879.48	729.54	621.63	498.73	411.76	334.98	256.91

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	207.40	167.61	128.46	104.64	86.67	72.51	59.46	52.03	46.53
45.0	295.60	295.60	178.67	136.53	111.49	87.96	73.56	62.44	52.79
90.0	204.65	163.45	130.80	105.63	83.34	70.40	60.40	52.85	45.88
135.0	304.38	304.38	168.14	125.82	101.01	82.75	66.89	57.94	51.15
180.0	295.01	225.60	150.05	114.41	92.82	76.55	64.84	54.66	48.57
225.0	179.08	144.61	117.10	91.12	75.73	63.91	54.95	46.76	42.14
270.0	307.30	177.21	143.50	116.75	95.33	75.14	63.09	54.13	47.70
315.0	184.11	148.76	120.91	94.10	77.60	64.78	55.42	47.34	42.84
360.0	207.40	167.61	128.46	104.64	86.67	72.51	59.46	52.03	46.53

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	42.49	38.45	35.76	33.18	31.54	30.14	28.85	28.15	27.68
45.0	47.46	43.42	40.03	36.58	34.29	32.36	30.90	29.44	28.56
90.0	41.79	38.45	35.70	32.83	31.02	29.20	28.03	27.21	26.51
135.0	44.83	40.91	37.69	35.05	32.19	30.31	28.79	27.56	26.39
180.0	43.89	40.32	36.69	34.24	32.19	30.02	28.62	27.56	26.63
225.0	38.57	35.70	32.77	30.84	29.26	27.74	26.80	25.98	25.57
270.0	41.84	38.39	35.52	33.07	30.72	29.14	27.68	26.80	26.22
315.0	39.27	35.64	33.24	30.90	29.44	28.21	27.27	26.45	26.04
360.0	42.49	38.45	35.76	33.18	31.54	30.14	28.85	28.15	27.68

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.21	26.80	26.69	26.57	26.57	26.69	26.74	26.63	25.93
45.0	28.03	27.39	27.04	26.80	26.63	26.57	26.63	26.69	26.51
90.0	26.10	25.69	25.57	25.46	25.46	25.57	25.69	25.69	25.22
135.0	25.81	25.28	24.99	24.76	24.64	24.58	24.81	24.99	25.16
180.0	26.04	25.57	25.28	25.11	25.11	25.16	25.28	25.52	25.46
225.0	25.16	24.93	24.81	24.76	24.93	25.22	25.34	25.16	24.70
270.0	25.63	25.34	25.16	25.05	25.05	25.28	25.40	25.52	25.22
315.0	25.69	25.46	25.34	25.28	25.46	25.57	25.81	25.52	24.81
360.0	27.21	26.80	26.69	26.57	26.57	26.69	26.74	26.63	25.93

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.28	24.40	22.94	22.12	20.95	20.54	20.72	21.42	22.53
45.0	25.98	25.28	24.23	23.06	22.59	22.41	22.71	23.94	25.69
90.0	24.64	23.58	22.47	21.48	20.25	19.20	18.38	17.85	17.44
135.0	24.81	24.23	23.47	22.06	21.01	20.07	18.90	18.14	17.67
180.0	24.87	24.23	23.23	22.12	20.95	19.90	18.84	18.26	17.85
225.0	23.99	22.71	21.65	20.42	19.49	18.96	19.08	18.79	18.26
270.0	24.64	23.88	22.47	21.54	20.54	19.25	18.49	17.91	17.50
315.0	24.05	22.88	21.71	20.78	19.84	19.43	19.37	19.66	20.31
360.0	25.28	24.40	22.94	22.12	20.95	20.54	20.72	21.42	22.53

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.64	24.11	24.35	24.35	24.17	23.47	22.06	20.13	18.38
45.0	26.69	26.16	25.81	25.63	24.64	24.29	23.17	22.59	21.48
90.0	17.15	16.80	16.56	16.33	15.98	15.63	15.33	14.98	14.63
135.0	17.15	16.80	16.44	16.15	15.86	15.63	15.27	14.92	14.75
180.0	17.38	17.15	16.91	16.56	16.09	15.74	15.39	15.16	14.92
225.0	17.67	17.15	16.56	16.15	15.57	15.22	14.92	14.63	14.22
270.0	17.15	16.85	16.50	16.21	15.92	15.57	15.16	14.86	14.63
315.0	20.89	21.19	21.24	21.13	20.72	19.96	18.79	17.50	16.09
360.0	23.64	24.11	24.35	24.35	24.17	23.47	22.06	20.13	18.38

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.51	14.51	13.99	13.58	13.34	12.99	12.58	12.35	12.17
45.0	18.38	14.75	14.16	13.69	13.40	13.23	12.87	12.52	12.41
90.0	14.34	13.99	13.75	13.52	13.05	12.76	12.52	12.35	12.23
135.0	14.51	14.16	13.69	13.34	13.11	12.82	12.64	12.47	12.35
180.0	14.75	14.05	13.58	13.28	12.93	12.70	12.58	12.35	12.35
225.0	13.87	13.52	13.23	13.05	12.70	12.52	12.41	12.41	12.17
270.0	14.16	13.93	13.58	13.34	13.05	12.70	12.47	12.29	12.17
315.0	14.05	13.69	13.40	13.17	12.93	12.58	12.41	12.17	12.11
360.0	15.51	14.51	13.99	13.58	13.34	12.99	12.58	12.35	12.17

Intensity data(cd)

C/γ(°)	90.0
0.0	12.23
45.0	12.17
90.0	12.23
135.0	12.17
180.0	12.11
225.0	12.23
270.0	12.23
315.0	12.17
360.0	12.23